

Dr. Kung-Hwa Wang

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Citizenship: R.O.C.

Education:

Ph. D. (Atmospheric Physics), National Central University,
TaoYuanm, Taiwan, 1997.

M.S. (Environment Science), National Tsukuba University, Tsukuba
city, Ibaragi, Japan, 1988.

B.S. (Atmospheric Science), University of Chinese Culture,
Yangmingsan, Taipei, Taiwan, 1978

Position:

2001 - Present: Deputy Director of Meteorological Satellite,
Central Weather Bureau

1989 - 2001 : Section Chief of Meteorological Satellite, Central
Weather Bureau

1981 - 1989 : Associate Technique Specialist of Meteorological
Satellite, Central Weather Bureau

1980 - 1981 : Teaching assistant, Department of Atmospheric
Science, University of Chinese Culture.

Experience:

Dr. Kung-Hwa Wang is known as Dr. Peter Wang in most of the
satellite remote sensing groups after graduated from National
Central University. Since 1981, he is being a enthusiastic
scientist in satellite image process and remote sensing field.
Before went abroad to Japan, his task was focus on system
operation, management and image quality improvement. After got
B.S. degree his work was mainly focused on satellite processing
system management and improvement. After got Ph. D. he had
opportunity to attending international conference and joined
CIMSS/UW research groups to do some research about microwave
forward model verifications. During past 10 years he was more
active in precipitation research programs by microwave. He also
lead staff in MSC/CWB for satellite data utilizations, such as
typhoon analysis, precipitation retrieval, vertical sounder
retrieval by Infrared, land & ocean products generation. His
primary research focused on Microwave data utilization on NWP
model and MODIS data utilizations. He lead the team in CWB to
build EOS, NOAA, MTSAT receiving and processing system in past a
few years. He is teaching PhD students in satellite image
processing and remote sensing courses in National Taiwan Ocean
University from 2006.

Award History

2001, Excellent scientist Medal Award by the Executive Yuan,
highest level of the executive branch in Taiwan. For development
of Sea Surface temperature retrieval from GMS-5

Peer-Reviewed Publications

Wang, K.H., and Gin-Rong Liu • 1988, Using Microwave to Estimate
Rainfall Near Taiwan Area, Journal of Photogrammetry and
Remote Sensing, Vol.3, No.3, 39-66

Wang, K.H., 1999, Construction of Microwave Forward Model under
Clear/Cloudy condition, Atmospheric science, Vol.27, No.4,

p359-376

Wang, K.H., 2001, The Study of Raining Cloud and precipitation from Satellite Ir and Microwave Observation, Vol. 29, No.2, P109-124

Chou, S.H., M.D. Chou, P.K. Chan, P.H. Lin, and **K.H. Wang**, 2004, tropical warm Pool Surface, Heat Budgets and temperature: Contrasts between 1997/98 El Nino and 1998/99 La Nino, J. Climate, Vol.17, 1845-1858

Chou, C.B., C.Y. Huang, **K.H. Wang**, T.C. Yeh, L.N. Shee, A case Study on the Analysis of typhoon Parameters Using AMSU Data, Atmospheric Sciences, Vol. 33, No.4, 341-356

Published Books:

Wang, K.H., 1995, Admire the could on Yu-San mountain, National Yu-San park, 175 pages.

(玉山賞雲, 玉山國家公園生態解・叢書, 玉山國家公園管理處發行, 1995年10月)

Wang, K.H., 2001, Weather, Chinese edition, Discovery Books
(氣象的奧秘, Discovery Channel「Weather」中譯本, 協和國際多媒體發行, 2001年4月)

Wang, K.H., 2001, Preview of Weather Prediction, New acknowledge about science and technique series
(氣象預測, 新知識叢書科學與技術204, 錦繡文化企業, 2001年7月)

Conference paper

Wang, K.H., Oct. 2003, The AMSU Observation Bias Correction and Its Application Retrieval Scheme, and Typhoon Analysis, 13-th International TOVS Study Conference, 29.Oct.-4.Nov.2003, Quebec, Canada

Wang, K.H., Jun.2004, Utilization of AMSR-E/EOS over Taiwan area for precipitation retrieval, IMAPP Workshop & 14th TeraScan Conference, Nanjing, China, 5-13.Jun.2004

Wang, Peter K.H., May.2005, Assessment of Precipitation Characters between Ocean and Coast area during Winter Monsoon in Taiwan, 14-th International TOVS Study Conference, 25-31 May. 2005, Beijing, China

Wang, K.H., Sep. 2005, Using AMSRE/EOS data to estimate precipitation near Taiwan areas, Year 2005 Atmosphere science conference, Taipei.

Chou, C.B., **K.H. Wang**, 2006., Uses AMSU in NWP model to improve typhoon prediction, Year 2006 Cross strait meteorological science and technique conference, Beijing

Wang, K.H., Jan. 2007., File structure of Land surface utilization for MODIS level 1B, First MODIS data utilization conference, Taipei